

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 97   | ("5418854" "5497421" "6751731"<br>"5724424" "6049785" "6832319"<br>"6195649" "6199051" "6205437"<br>"5901227" "6301660" "6035398"<br>"6128740" "5226079" "5546464"<br>"5680452" "5719941" "5347580"<br>"5515439" "6148405" "5666415"<br>"5974550" "6317729" "6327578"<br>"6694431" "6775772" "6820201"<br>"6477205" "6615350" "5856972"<br>"6625652" "5631961" "5796830"<br>"4264782" "4326098" "5937066"<br>"5978918" "6049878" "6052469"<br>"6061454" "6061454" "6108783"<br>"4306111" "5220606" "5230020"<br>"5341427" "5450493" "5488702"<br>"5499294" "5515441").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/03/18 15:42 |
| S2    | 102  | ("5577122" "5633929" "5717760"<br>"5748734" "5751722" "5799088"<br>"5960086" "6088449" "6115817"<br>"6169803" "4424414" "4426555"<br>"4825050" "4853961" "4881264"<br>"4893338" "4997288" "5008936"<br>"5016277" "5022076" "5060266"<br>"5036500" "5251044" "5271061"<br>"5307410" "5414771" "5442706"<br>"5463690" "5477537" "5515438"<br>"5539828" "5557346" "5557765"<br>"5581616" "5613005" "5619657"<br>"5633931" "5640454" "5745257"<br>"5745573" "5745574" "5745576"<br>"5754657" "5764770" "5774549"<br>"5774552" "5796840" "5796839"<br>"5799082" "5798845").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/03/18 15:42 |
| S3    | 93   | ("5805712" "5805703" "5825888"<br>"5838461" "5857025" "5898781"<br>"5907618" "5910848" "5926635"<br>"5933246" "5956406" "5956403"<br>"5966449" "5987136" "5991406"<br>"5999285" "6009176" "6012144"<br>"6014694" "6021203" "6041408"<br>"6044488" "6049610" "6052466"<br>"6058188" "6069956" "6075864"<br>"6078665" "6081703" "6097935"<br>"6108788" "6112304" "6125185"<br>"6128391" "6128386" "6154841"<br>"6160651" "6169805" "6181795"<br>"6185546" "6188768" "6195177"<br>"6219161" "6219161" "6233075"<br>"6249585" "6263437" "6271946"<br>"6272224" "6275859").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/03/18 15:42 |

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|----|-----|---|---|----|-----|------------------|
| S4 | 102 | ("6285760" "6289105" "6292892"<br>"6298153" "6301658" "6301664"<br>"6307487" "6307935" "6307938"<br>"6311271" "6314468" "6314521"<br>"6320520" "6373406" "6377688"<br>"6385728" "6438691" "6473719"<br>"6512829" "6587561" "6587563"<br>"6678379" "6751318" "6751733"<br>"6754678" "6778532" "6801626"<br>"6813358" "6816966" "6820199"<br>"6820202" "6842523" "6847719"<br>"6848051" "5790804" "5812670"<br>"5339156" "4321703" "4398290"<br>"4763023" "4847861" "4866771"<br>"4918722" "4975952" "5469183"<br>"5519704" "5572582" "5638185"<br>"5692048" "5690774").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 15:42 |
| S5 | 100 | ("5694616" "5710816" "5734824"<br>"5742610" "5854898" "5872925"<br>"5896203" "5933623" "5946467"<br>"5973724" "6009308" "6020828"<br>"6038295" "6041347" "6047193"<br>"6088457" "6112229" "6141691"<br>"6151619" "6175604" "6178448"<br>"6208910" "6336135" "6370144"<br>"6389031" "6442571" "6446215"<br>"6449283" "6782486" "6814282"<br>"5608800" "4834115" "4837807"<br>"5367681" "5784566" "5887063"<br>"5938730" "5966652" "5974151"<br>"6088456" "6115699" "6323782"<br>"6556628" "5220604" "5931947"<br>"6047242" "6064736" "6363365"<br>"6480957" "5557320").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 15:42 |
| S6 | 103 | ("5691713" "6215766" "6215766"<br>"5421779" "5893903" "5956400"<br>"6243685" "4365295" "4438298"<br>"4473904" "4489433" "5190818"<br>"5293453" "5440670" "5604734"<br>"5612671" "5666210" "5732077"<br>"5825425" "5850403" "5903559"<br>"6023498" "6032138" "6034948"<br>"6091734" "6119137" "6118317"<br>"6209985" "6209985" "6252588"<br>"3590165" "3581294" "3558829"<br>"3637940" "3908892" "3891965"<br>"3851110" "3829617" "3824341"<br>"3789145" "4017683" "4153819"<br>"4072886" "4076965" "4247615"<br>"4305148" "4326287" "4334618"<br>"4339815").pn.           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 15:43 |

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| S7  | 594 | S1 S2 S3 S4 S5 S6   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 15:43 |
| S8  | 457 | S7 and @pd<"20000925"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/22 08:54 |
| S9  | 0   | S8 and (((repeat\$3 and verif\$7)<br>with nonce) and key and<br>authentic\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 15:50 |
| S10 | 3   | S8 and (((repeat\$3 verif\$7) with<br>nonce) and key and authentic\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 16:44 |
| S11 | 86  | (((repeat\$3 compar\$4 verif\$7) adj2<br>(nonce random adj number RAND<br>challenge) with (key and<br>authentic\$5))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:13 |
| S12 | 17  | S11 and @pd<"20000925"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:20 |
| S13 | 2   | (((repeat\$3 compar\$4 verif\$7) adj<br>(nonce) with (key and<br>authentic\$5)))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:15 |
| S14 | 0   | (((repeat\$3) adj (nonce) with (key<br>and authentic\$5)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:15 |

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| S15 | 0   | ((repeat\$3) with (nonce) with (key and authentic\$5)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:16 |
| S16 | 1   | ((repeat\$3) SAME (nonce) with (key and authentic\$5)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:16 |
| S17 | 0   | ((regenerat\$3) WITH (nonce)) SAME (key and authentic\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:17 |
| S18 | 0   | ((regenerat\$3) WITH (nonce)) AND (key and authentic\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:18 |
| S19 | 3   | ((regenerat\$3) SAME (nonce)) AND (key and authentic\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:20 |
| S20 | 383 | 713/170.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:20 |
| S21 | 18  | S20 and nonce   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:20 |
| S22 | 3   | S21 and @pd<"20000925"                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/18 17:20 |

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| S23 | 383  | 713/170.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 08:19 |
| S24 | 18   | S23 and nonce   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 08:19 |
| S25 | 7    | S24 and (repeat\$3 compar\$4<br>verif\$7) near4 (nonce)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 13:48 |
| S26 | 130  | (challenge adj2 response) and<br>nonce  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 13:50 |
| S27 | 60   | S26 and @ad<"20010925"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 14:58 |
| S28 | 117  | S26 and ((send\$3 transmit\$4<br>transfer\$4 receiv\$3 generat\$3) with<br>(public key public-key)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 13:54 |
| S29 | 19   | S28 and @pd<"20010925"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 14:50 |
| S30 | 7581 | (public-key public adj key) with<br>(transmi\$5 send\$3 receiv\$3<br>transfer\$3 distribut\$3)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 14:57 |

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| S31 | 1709 | (public-key public adj key) adj<br>(transmi\$5 send\$3 receiv\$3<br>transfer\$3 distribut\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 14:57 |
| S32 | 110  | S31 and nonce   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 14:58 |
| S33 | 52   | S32 and @ad<"20010925"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:10 |
| S34 | 97   | 380/273.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:11 |
| S35 | 23   | S34 and (public-key public adj key)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:32 |
| S36 | 19   | S35 and (RAND random adj number<br>challenge response nonce time adj<br>stamp)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:32 |
| S37 | 302  | 380/278.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:39 |
| S38 | 176  | S37 and (public-key public adj key)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:40 |

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| S39 | 9    | S38 and (nonce)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:40 |
| S40 | 196  | 380/283.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:39 |
| S41 | 100  | S40 and (public-key public adj key)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:40 |
| S42 | 2    | S41 and (nonce)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/21 15:40 |
| S43 | 1066 | "x.509" and (public-key public adj key)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/22 08:50 |
| S44 | 65   | S43 and nonce   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/22 08:51 |
| S45 | 6    | S44 and @pd<"20000925"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/22 10:03 |
| S46 | 1    | ((three adj way adj authentication) near2 protocol) and ("x.509" (public adj key with certificate)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/03/22 10:11 |